

WHAT IS CLAIMED IS:

- 5 1. An optical add/drop apparatus comprising:
 an input terminal connecting with a first optical
 transmission line;
 an output terminal connecting with a second optical
 transmission line;
10 a drop light output terminal;
 an add light input terminal;
 a waveform equalizer for equalizing a waveform of input
 light;
15 a first optical coupler for applying the input light of
 the input terminal to one of the drop light output terminal
 and the waveform equalizer; and
 a second optical coupler for applying one of light from
20 the add light input terminal and the output light of the
 waveform equalizer to the output terminal.
2. The optical add/drop apparatus of claim 1 wherein
 the first optical coupler comprises an optical switch for
25 selectively applying the input light of the input terminal to
 one of the drop light output terminal and the waveform
 equalizer.
- 30 3. The optical add/drop apparatus of claim 1 wherein
 the second optical coupler comprises an optical switch for
 selectively applying one of the light from the add light input
 terminal and the output light of the waveform equalizer to the
 output terminal.

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 4. The optical add/drop apparatus of claim 1 wherein
the waveform equalizer comprises a wavelength converter and
5 the wavelengths of the input light and the output light of the
waveform equalizer are identical.

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